



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090044-BB

**Mode:** Highway

**Status:** Submitted

**From/Cross Street:** US 70 Bypass

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** NC 42

**Project Category:** Statewide Mobility

**Length:** 1.55

**TIP#:** I-5111BB

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$36,200,000

**Description:**

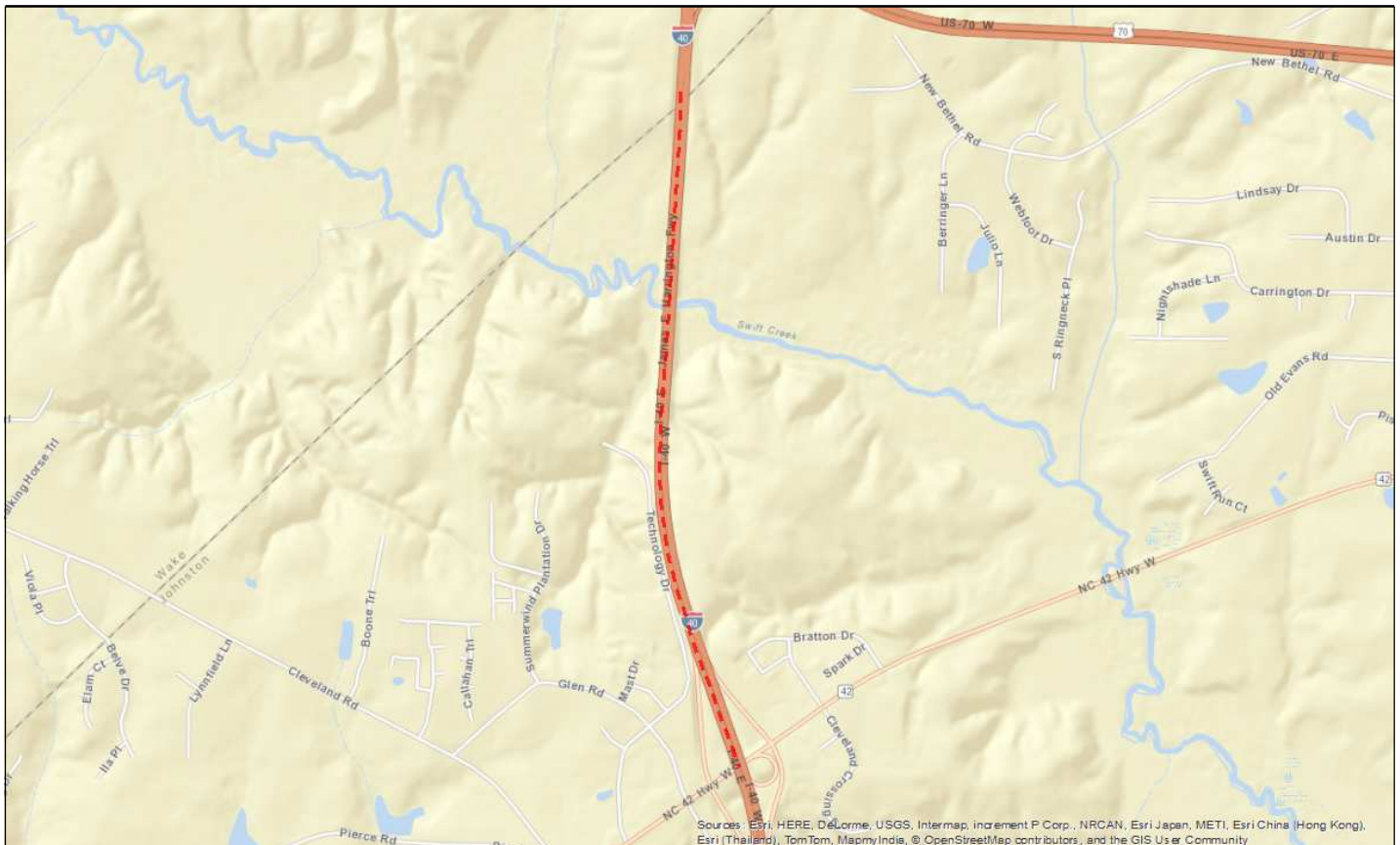
Add Additional Lanes.

**Division(s):** Division 4

**County(s):** JOHNSTON

**MPOS(s)/RPO(s):** Capital Area MPO

### Project Location



**Statewide Mobility Total Score: 36.06**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (30%) 68.81 Safety (10%) 84.80 [Travel Time] Benefit/Cost (30%) 1.29 Economic Competitiveness (10%) 4.93 Multimodal + [Freight & Military] (20%) 30.30  <b>Totals: Weight: 100% Weighted Score: 36.06</b>	N/A	N/A

**Regional Impact Total Score: 53.3**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
[Travel Time] Benefit/Cost (20%) 1.29 Congestion (V/C) (15%) 68.81 Safety (15%) 84.80 Lane Width (10%) 0.00 [Paved] Shoulder Width (10%) 0.00  <b>Totals: Weight: 70% Weighted Score: 23.3</b>	Percent: 15% Points: 100	Percent: 15% Points: 100

**Division Needs Total Score: 15.49**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (10%) 68.81 Safety (10%) 84.80 Lane Width (10%) 0.00 [Paved] Shoulder Width (10%) 0.00 [Travel Time] Benefit/Cost (10%) 1.29  <b>Totals: Weight: 50% Weighted Score: 15.49</b>	Percent: 25% Points: 0	Percent: 25% Points: 0

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	70
Length (miles):	1.55
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	10
Roadway has Curb & Gutter?	No
Volume (AADT):	56000
Capacity:	72400
Volume/Capacity Ratio:	0.77
% Autos:	89%
% Trucks:	11%
Truck Volume:	6060
Crash Density:	99.81
Crash Severity:	54.82
Critical Crash Rate:	99.81
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	28
Existing Median Type (for Cost Estimation):	Divided
Pavement Condition Rating:	91
Actual Congested Speed:	60.23
Travel Time Index:	1.1

**Project Benefits**

Project Cross-Section:	8B - 8 Lane Divided (27' Median with Jersey Barrier with Paved Shoulders)
Speed Limit:	70
Length (miles):	1.55
Facility Type:	Freeway
Access Control:	Full
Functional Classification:	Interstate
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	10
Travel Time Savings for 30 Years (Total):	2035004.12
Travel Time Savings for 30 Years (Autos):	1814787.61
Travel Time Savings for 30 Years (Trucks):	220216.51
Long-Term Employment:	34
% Change in Economy:	6.46E-05
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 4

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT OnLine tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 4	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>100</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Capital Area MPO	100%	100	0
	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>100</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$21,200,000	TIP Unit
Right-of-Way Cost:	\$15,000,000	TIP Unit
Utilities Cost:	\$0	TIP Unit
Total Project Cost:	\$36,200,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$36,200,000</b>	